MSTRS:
Future Mobility

May 22, 2018

Karl Simon
Director, Transportation Climate Division
United States Environmental Protection Agency

"Driving Innovation in Clean Transportation"

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Now: With Your Answers!

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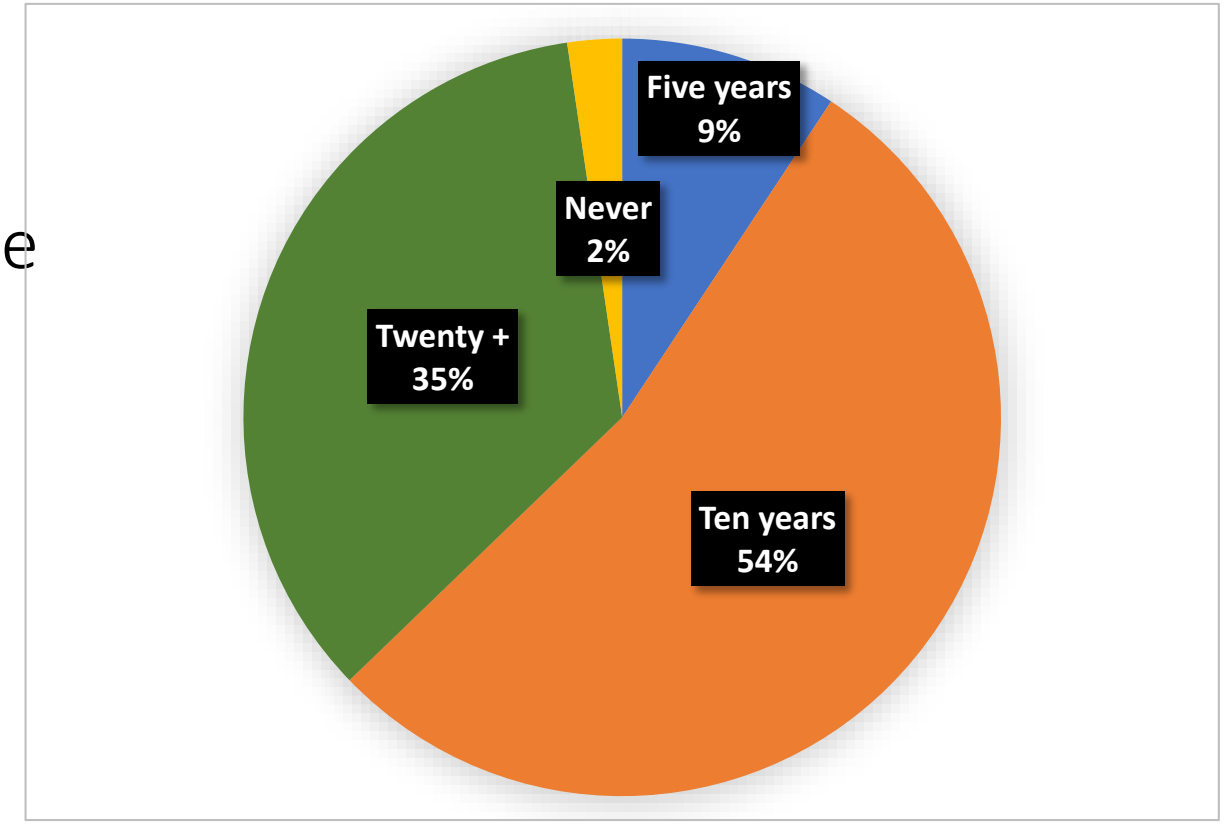
When will EVs reach a tipping point and become mass market?

A. Five years
B. Ten years
C. Twenty years or more
D. Never



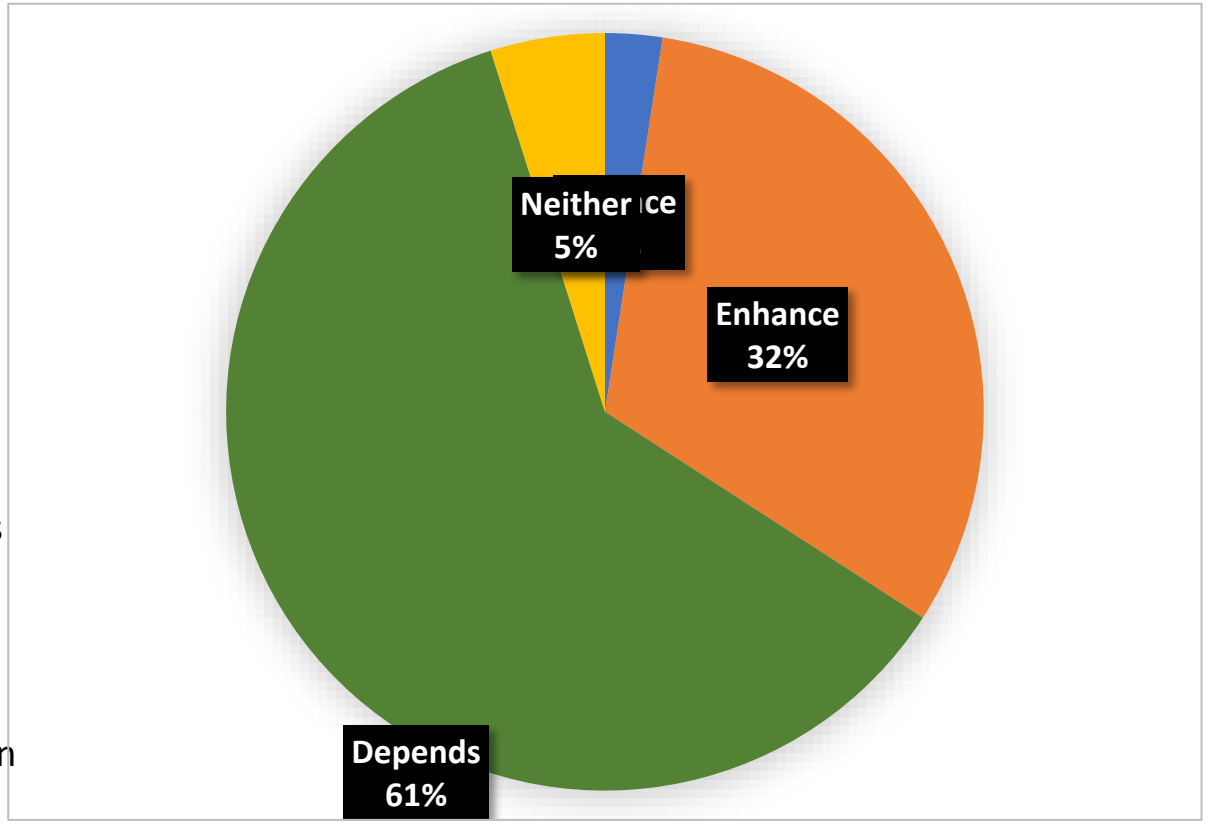
Will shared use mobility largely replace or enhance transit?

A. Replace. People like privacy and flexibility.

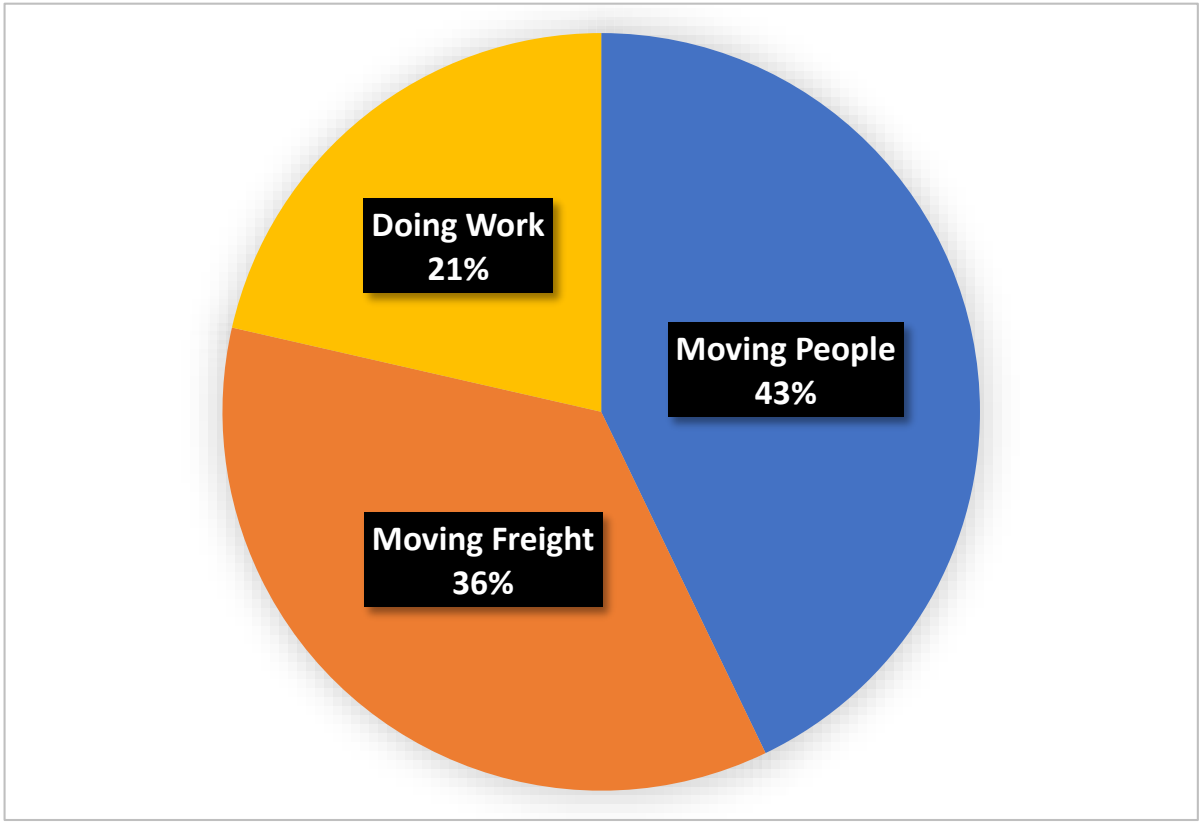
B. Enhance. First-mile last-mile is a large barrier to transit use.

C. Depends on the city and their transit system.

D. Neither. Shared use will remain small.



Where do you think large scale transformational change will occur first?



A. Moving people (light duty/transit)

B. Moving freight (heavy duty/shipping)

C. Doing work (agriculture, construction, mining)

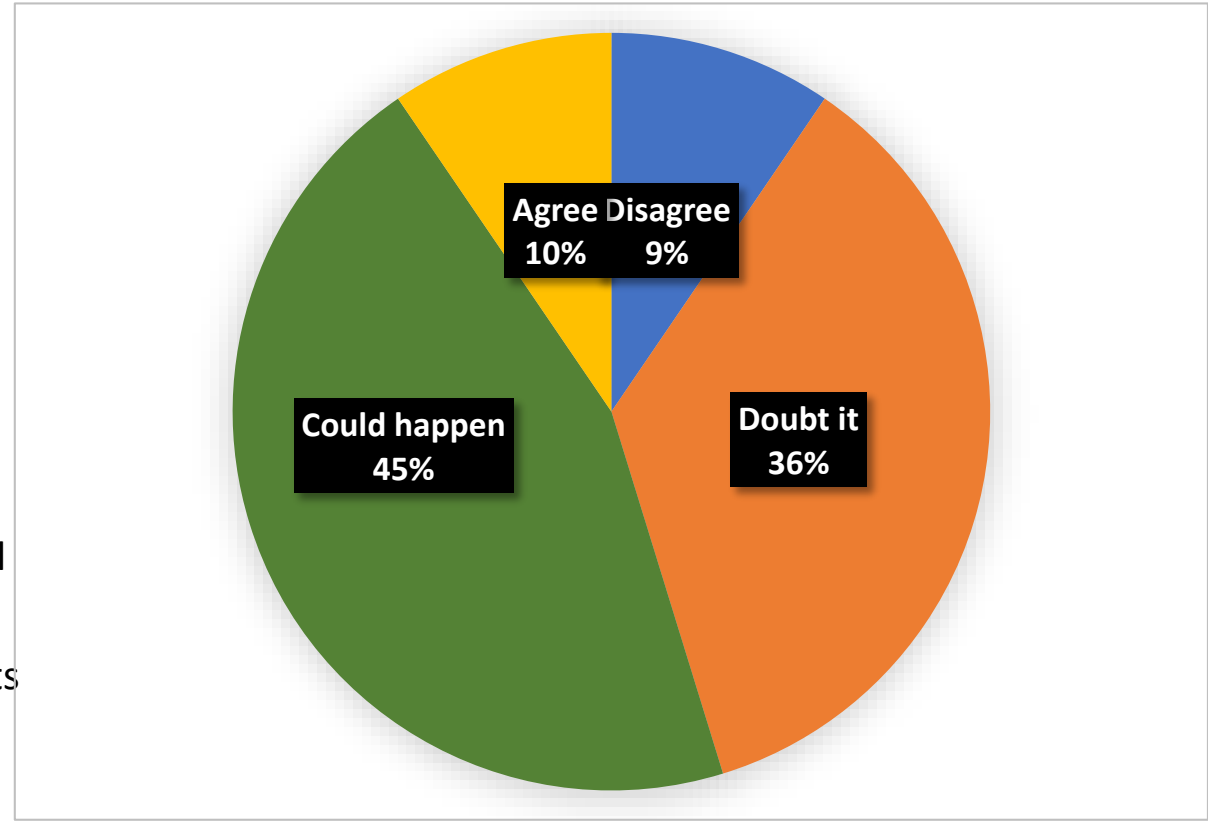
Some analysts say that automated mobility services could capture two-thirds of the entire U.S. mobility market in 15–20 years. What do you think?

A. Disagree. These cost projections are unrealistic and/or most people are resistant to change.

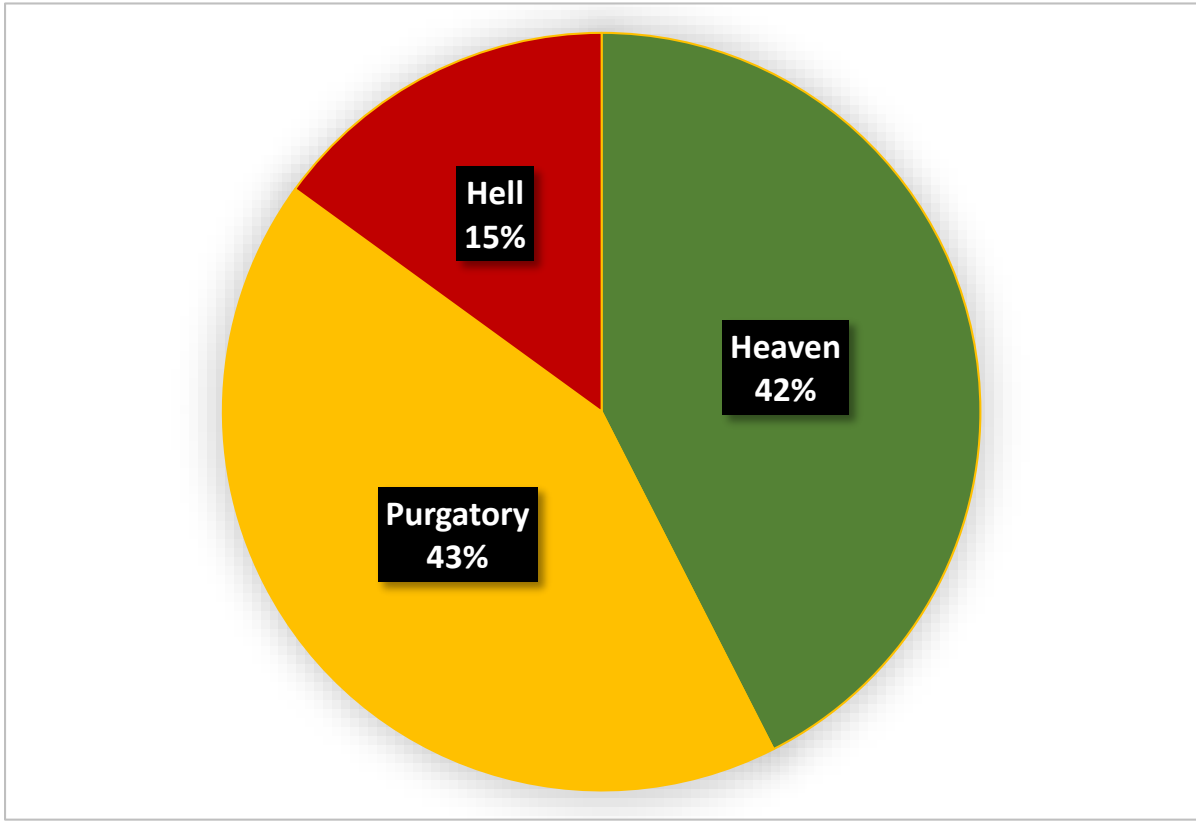
B. Doubt it. Too many potential pitfalls and unknowns.

C. Could happen, but only if lots of things fall the right way.

D. Yep, agree. I can see we are approaching an iphone moment.

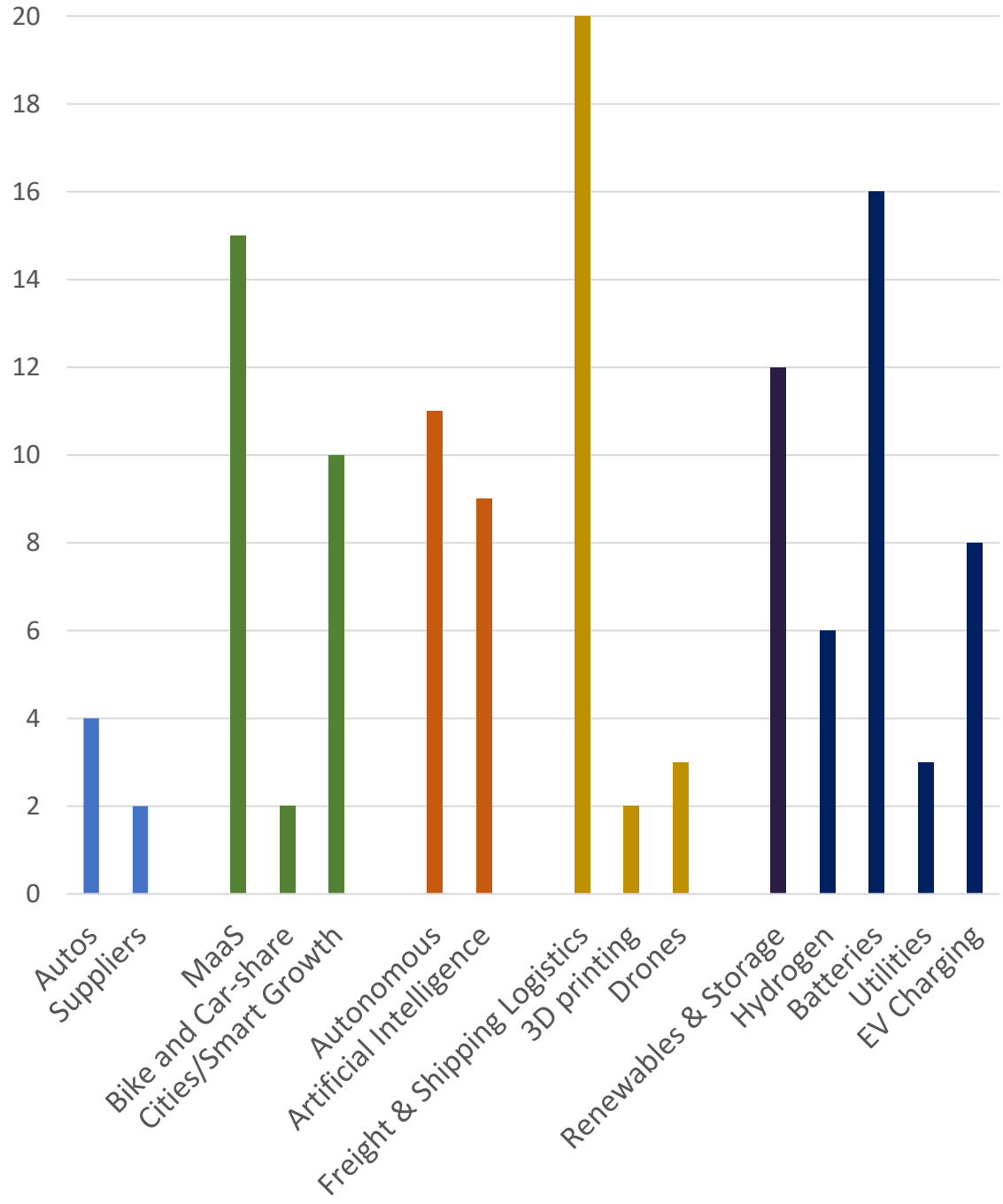


With the emergence of autonomous vehicles, what is the likelihood that we will achieve the heaven versus the hell scenario by 2050?



A. We'll be Far from Heaven
B. Hello purgatory
C. We'll be Knockin' on Heaven's Door

You are a savvy investor who gets paid by maximizing emissions reductions per dollar from the transportation sector: what are the 3 technologies or services you would invest in today?



Why this matters to the environment

- Significant change will happen, it is a question of what and when
- It is important that this change result in a positive environmental outcome
  - What new policies can help bring about a beneficial environmental outcome?
  - What existing policies are in conflict with achieving the same outcome?
  - What are the important environmental impacts to understand?
  - What do the numbers tell us?
  - What are the key research questions?